

# Wastewater Flow Statistics

- Annual Average Flow
- Monthly Average
- Maximum Month Flow
- Maximum Day Flow
- Average Wet Weather Flow
- Avg/Max Dry Weather Flow



# What is a representative load?

*There is not a standard calculation method for determining a current or historic load.*

Concentration Data (Sampling Frequency)		Flow Statistic
Monthly	Pair with →	<i>Day, Month, Annual?</i>
Quarterly	Pair with →	
Weekly	Average first? Then pair the result with →	

$$\text{Mass Loading} = \text{Concentration (mg/L)} * \text{flow} * \text{CF}$$



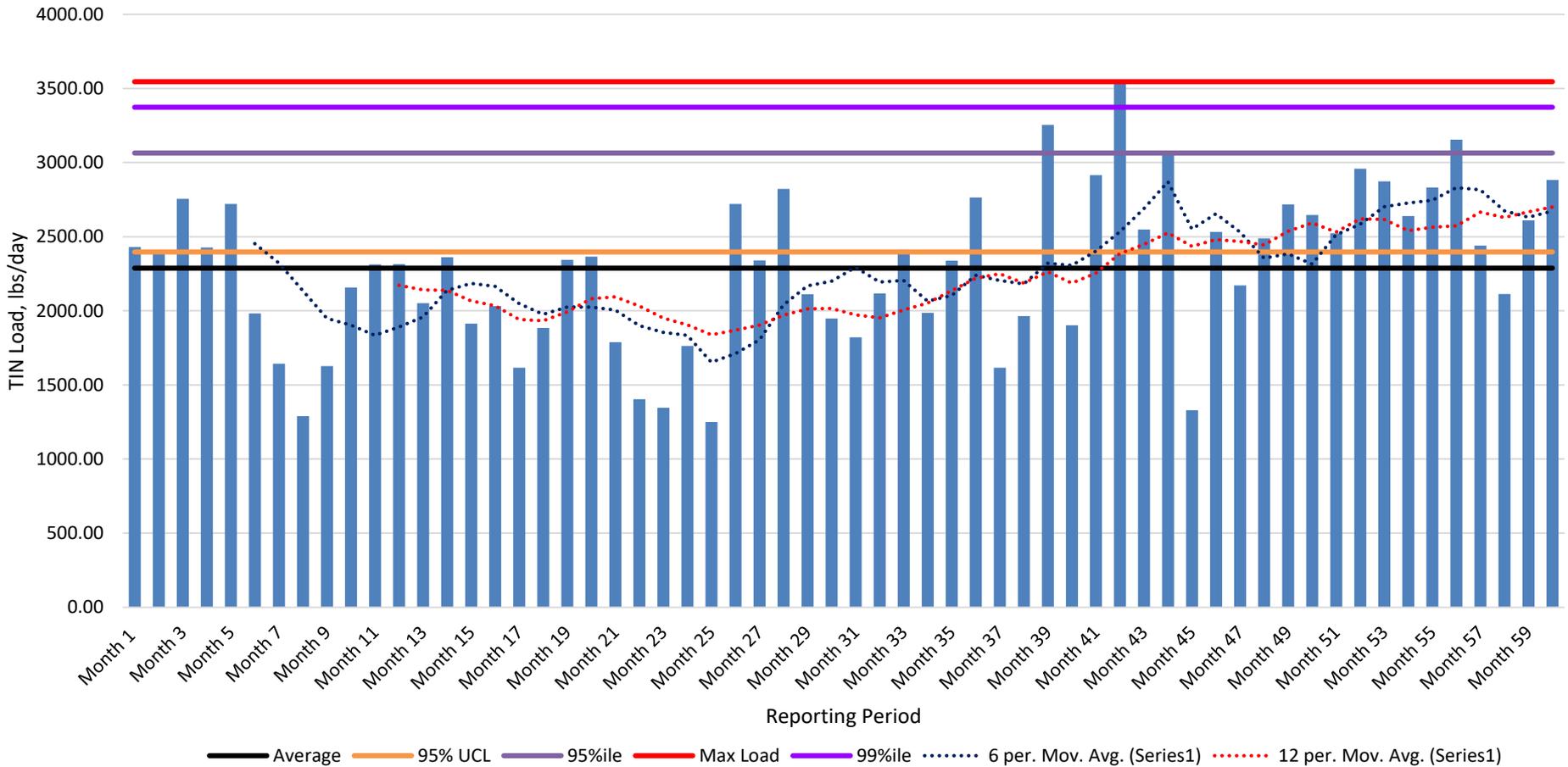
# Cap Calculation Alternatives

1. Selection of ranked 95<sup>th</sup> percentile from facility's representative loads.
2. Non-parametric calculation of a 95% confidence interval.
3. Selection of the highest TIN load reported by the facility.



# TIN Load Example

TIN LOAD BY MONTH



# Questions for Review

- Does one proposal seem better than another? Why?
- What is missing in the calculation consideration?
- What concepts/principles do you agree with? Why?
- What concepts/principles do you disagree with? Why?

